ENCLOSURE DIMENSIONS

1) Enclosure Ratings:
   - Nema-3, 4X, 7 & 9
   - UL Standard 1203
   - CSA Standard C22.2-30
   - FM Class No. 3615
   - NEC CLASS I, Groups B, C & D
   - CLASS II, Groups E, F & G
   - CLASS III

2) Enclosure Material:
   - Light weight corrosion resistant copper-free aluminum construction with sand blast finish. Painted with flat epoxy, gold in color. Neoprene gasket. 2 5/8" dia. viewing window.

3) When transmitter is used in classified areas, an x-proof seal should be used as required by electrical code. The cable entry into the enclosure must be sealed with BOSS 315 RTV ATI p/n: 62-0001, or equivalent multipurpose sealant. If conduit is used, it must also be sealed internally at the entry point to the housing.

ELECTRICAL INSTALLATION

- Ground jumper (03-0067)
- Loop power
- 18 or 20 gauge wire recommended
- Route gray, violet, and blue wires under ground jumper
- Gnd terminal located next to relay base
- 8 cond. shielded cable to sensing module connector
- Sensing module (gas specific)
- Sensing module connector (03-0070)
- Auto-test option
- Loop power
- Ground terminal
- Relay base
- Earth ground (or conduit)
TRANSMITTER ASSEMBLY

Plug transmitter module into the relay base via the relay plug mounted on the bottom of the transmitter module.

Ensure lock ring is turned fully to the left. Install sensing module snap-lock connector into sensing module connector. Turn sensing module to the right, until it snaps in place. Turn locking ring to the right until it stops. This locks the sensing module to the sensing module connector.

WALL MOUNT BRACKET INSTALLATION

Wall mount bracket (47-0008) supplied by ATI

(2) S.S. 10-32 x 1/4" FHMS (92-0006) supplied by ATI
TRANSMITTER ASSEMBLY with REMOTE SENSOR

GROUND JUMPER (03-0067)

LOOP POWER

5' CONNECTOR ASSEMBLY (03-0065)

3/4" NPT

DUCT MOUNTING ASSEMBLY 1 1/4" NPT

REMOTE SENSOR MODULE (GAS SPECIFIC)

AUTOTEST OPTION
TRANSMITTER ASSEMBLY with DUCT SENSOR

EXPLOSION PROOF ENCLOSURE

ENSURE LOCK RING IS TURNED FULLY TO THE LEFT. INSTALL SENSING MODULE SNAP-LOCK CONNECTOR INTO SENSING MODULE CONNECTOR. TURN SENSING MODULE TO THE RIGHT, UNTIL IT SNAPS IN PLACE. TURN LOCKING RING TO THE RIGHT UNTIL IT STOPS. THIS LOCKS THE SENSING MODULE TO THE SENSING MODULE CONNECTOR.

G10 INSERTION PROBE ADAPTER CABLE, 10' (STD LENGTH). (03-0123)

G10 INSERTION PROBE (SPECIFY GAS TYPE WHEN ORDERING)

5.75" 145mm

9.34" 24mm

1.195" 29mm

ATI-0335
D10 (NO Auto-Test) SENSOR CALIBRATION ADAPTER ASSEMBLY (00-0248)

ATI-063
D28 (w / Auto-Test) SENSOR CALIBRATION ADAPTER ASSEMBLY (00-0248)

1/8" BARB FITTING (INLET)

OUTLET

CALIBRATION CAP

ATI-0501
D10 FLOWCELL ASSEMBLY (00-0249)

ATI-0462
To place sensor into the Calibration position, slowly back the sensor out of the housing, until you hear a click and the sensor doesn't move any more. The sensor is now positioned to be calibrated. Attach tubing to barb fitting, and proceed with calibration. When calibration is complete, the sensor is now ready to be placed back into the sensing position. To do this pull up on the locking pin, and slide the sensor in a little bit release the pin, then continue to slide the sensor all the way into the pipe. The sensor is now in operation again.